

I claim:

1. A method of producing a nonwoven fabric for use in cigarette filters comprising the steps of forming a web of fibers, and optionally other filling components, via the latex bonded airlaid or multibonded airlaid method
5 and coating the web with an aqueous based polymer binder comprising one or more polymer compositions and one or more stabilizing agents, wherein the nonwoven fabric comprises in the range of about 30 to about 2 parts by dry weight of the binder and in the range of about 70 to about 98 parts by dry weight of the fibers and other filling components, and
10 wherein the binder, fibers and filling components are acceptable for use in cigarette filter applications.
2. The method of claim 1, wherein the fibers comprise fluff pulp fibers.
3. The method of claim 1, wherein the binder comprises one or more polymer compositions selected from the group consisting of vinyl acetate
15 homopolymers, ethylene vinyl acetate copolymers, copolymers of vinyl acetate with vinyl esters of long-chain saturated aliphatic carboxylic acids with lengths up to C₁₈, vinyl acetate / veova copolymers and mixtures thereof.
4. The method of claim 3, wherein the one or more polymers are
20 polymerized from monomers selected from the group consisting of ethylene, vinyl acetate, vinyl esters of aliphatic carboxylic acids having chain lengths up to C₁₈ and mixtures thereof.
5. The method of claim 1, wherein the one or more stabilizing agents are high molecular weight protective colloids.
- 25 6. The method of claim 5, wherein the high molecular weight protective colloids are selected from the group consisting of polyvinyl alcohol, ethylcellulose, hydroxyethylcellulose, methylcellulose,

hydroxymethylcellulose, carboxymethylcellulose, sodium, potassium, and magnesium salts of carboxymethylcellulose, dextrans, gum arabic and mixtures thereof.

7. A nonwoven fabric for use in cigarette filters made according to the
5 method of claim 1.
8. A polymer binder composition for use in the consolidation of nonwoven fabric webs for application in cigarette filters comprising one or more polymer compositions and one or more high molecular weight protective colloids, wherein the polymers are polymerized from monomers selected
10 from the group consisting of ethylene, vinyl acetate and vinyl esters of aliphatic carboxylic acids with chain lengths of up to C₁₈.
9. The polymer binder composition of claim 8, wherein the one or more high molecular weight protective colloids are selected from the group consisting of polyvinyl alcohol, ethylcellulose, hydroxyethylcellulose,
15 methylcellulose, hydroxymethylcellulose, carboxymethylcellulose, sodium, potassium, and magnesium salts of carboxymethylcellulose, dextrans, gum arabic and mixtures thereof.
10. The polymer binder composition of claim 8, wherein the polymer
composition is selected from the group consisting of vinyl acetate
20 homopolymers, ethylene vinyl acetate copolymers, copolymers of vinyl acetate with vinyl esters of long-chain saturated aliphatic carboxylic acids with lengths up to C₁₈, vinyl acetate / veova copolymers and mixtures thereof.
11. A nonwoven fabric for use in cigarette filters comprising the polymer
25 binder composition of claim 8.